

Gal, J.; Valko, I.

Traveling-wave tubes. p.138

MAGYAR HIRADASTECHNIKA. (Hiradastechnikai Tudományos Egyesület)
Budapest, Hungary. Vol.10, no.4, August 1959

Monthly List of East European Accessions (EEAI) LC, Vol.8, no.11
November 1959
Uncl.

GAI, János, dr., egyetemi tanár, a mezőgazdasági (erdészeti) tudós-
nanyak kandidátusa (Eger);

Shelter forest belts. Term tud közl 8 no.6:261-265 Jé'64.

GAL, Janos, dr.; MADAS, Andras, dr., mezogazdasagi tudomanyok (erdeszeti)
kandidatusa; SOMOGYI, Laszlo

Salute to the ten-year-old National Main Directorate of
Forestry. Erdo 13 no.10:437-439 0 '64.

1. Rector, University of Forestry and Timber Industry, Sopron
(for Gal). 2. President, National Forestry Association (for
Madas). 3. Secretary General, Scientific Association of the
Wood Industry (for Somogyi).

BALAZS, Janos; GAL, janos

Automatic control of the quality of products by means of the
technique. Muszaki kozl MTA 26 no.1/4:223-233 '60. (EEAMI 9:10)

1. Tavkozlesi Kutato Intezet.
(Electron tubes)

JANOS

GAL, Ya. [Gal, J.]; KOMYATI, Y. [Komjathy, Y.]

A wide-band microwave noise generator. Acta techn Hung
42 no.1/3:293-299 '63.

1. Nauchno-issledopatel'skiy institut svyazi, Budapesht.

KERESZTURY, Sandor, dr.; KORAKO, Agnes, dr.; GAL, Janos, dr.

Retrospective observations on lymph node changes in children. Gyermekgyógyászat 12 no.11:349-352 N '61.

1. A debreceni Orvostudományi Egyetem Korbonctani Intezete (Igazgató: Endes Pongrac dr. egyetemi tanár), Gyermekklinika (Igazgató: Kulin Laszlo dr. egyetemi tanár) és I.sz. Sebészeti Klinikája (Igazgató: Szelezsky Gyula dr. egyetemi tanár)

(LYMPH NODES pathol)

RUSZNAK, Istvan, dr., Kossuth-dijas, a kemiai tudományok kandidátusa;
SZABO, Miklos; GAL, Janos; SARMANY, Jozsef; BOZSO, Ivan

Factory experiences with the thermotex process. Magy textil 14 no.10:
433-436 0 '62.

1. Textilipari Kutató Intézet (for Rusznak, Szabo, Sarmany, Bozso).
2. Kíspesti Textilgyár (for Gal).

GONDA, Gabor; BINDER, Laszlo; GAL, Jeno; HAGY, Dezso

Digital adding and subtracting machine. Meres automat 11 no.12:
383-386 '63.

1. Budapesti Muszaki Egyetem Elmeleti Villamossagtan Tanszek.

KOZMA, Laszlo, a muszaki tudomanyok doktora; BALAS, Arpad; GAL, Jozsef

Problems occuring at the introduction of telephone systems of the crossbar type: also, remarks by A.Balas, and J.Gal. Muszaki kozl
MTA 26 no.1/4:151-163 '60. (EEAI 9:10)

1. Bydapesti Muszaki Egyetem, Vezetokes Hiradastechnikai Tanszek
(Telephone)

GAL, Jozsef

Universal auxiliary telephone exchange. Magy hir techn 12 no.3:
102-108 Je '61.

1. Híradastechnikai Tudományos Egyesület tagja; Budapesti Műszaki
Egyetem Vezetékes Híradastechnikai Tanszéke.

HULLAY, J.; GAL, Julia

On cysts of the foreamen of Monro (paraphyseal cysts of the 3d ventricle). Acta chir Acad Sci Hung 2 no.3:297-310 '61.

1. Neurologisch-Psychiatrische Klinik (Direktor: Prof. Dr. P.Juhász)
der Medizinischen Universität, Debrecen.
(CENTRAL VENTRICLES diseases) (CYSTS case reports)

#

GAL, K.

Application of bacterial enzymes in therapy of hematoma, infected exudates and chronic suppurations; streptokinase-streptodornase. Orv. hetil. 94 no.44:1205-1212 1 Nov 1953. (CML 25:5)

1. Department of Bacteriology (Head -- Dr. Istvan Furess), National Institute of Public Hygiene (Director General -- Academician Dr. Andras Havas).

GAL, K.

VACZI, L.; GAL, K.; KUBINYI, M.

Characteristics of chloramphenicol-resistant strains of *E. coli*
O:111, b:4. Acta microb. hung. 2 no.4:359-367 1955.

1. Staatl. Institut fur Volksgesundheitswesen, Budapest.
(*ESCHERICHIA COLI*, effect of drugs on,
chloramphenicol, resist. strains)
(CHLORAMPHENICOL, effects,
on *E. coli*, resist. strains)

577. K.
FURESZ, I.,; MIKALYFI, I.,; LANYI, B.,; GAL, K.

Determination of types, virulence and enzymatic activity of
Streptococcus scarlatinae in Hungary. Acta microb. hung. 2 no.4:
435-444 1955

1. Staatliches Institut fur Volksgesundheitswesen, Budapest.
(*STREPTOCOCCUS*,
scarlatinae, typing, virulence & enzymatic activity of
strains isolated in Hungary)

Gál, K.

Hemagglutination test for the demonstration of C-reactive protein. K. Gál and M. Miltényi (Szent István Inst. Public Health, Budapest). *Acta Microbiol. Acad. Sci. Hung.* 3, 41-51 (1966) (in English).—Prepn. of C polysaccharide from a pneumococcal strain type 1 (by a modification of a method by Angerson and McCarty, *C.* 45, 438/54) and the use of this material to det. the C-reactive protein (CRP) by quant. hemagglutination; are described. The optimal conditions for the assay were: a final concn. of 1% washed sheep red blood cells, pH 6-8, and 0.075-0.16 M NaCl made isotonic with glucose. KCl was less sensitive and CaCl₂ unsuitable. By means of these CRP detns. the course of 2 acute inflammatory diseases (rheumatic polyserositis and mastoiditis) was followed. *Cl. C.f.* 41, 4607g. O. Schek

MD

GAL, K.; MILTENYI, M.

GAL, K.; MILTENYI, M. Hemagglutination test for the demonstration of
C-reactive protein. In English. p. 41.

Vol. 3, No. 1/2, 1955.

ACTA MICROBIOLOGICA

TECHNOLOGY - 1955

Budapest, Hungary

So: East European Accession, Vol. 5, No. 5, May 1956

6974, K. 00.11

BAUMANN, Piroška, dr.; GAL, Kamill, dr.; KARDOS, Gyorgy, dr.

Experimental studies on increasing the penicillin permeability of the hemato-encephalic barrier. Ideg. szemle 8 no.5:144-147 Oct 55.

1. A Robert Karoly koruti fovarosi korhas (igazgato: Krassnai Ivan dr.) noi ideg es elmeosztalyanak (foorvos: Angyal Lajos dr., as orvostudomanyok kandidatusa) es az Orszagos Kozegessegugyi Intezet (igazgato: Havas Andras dr.) Bakteriologiai Osztalyanak (osztalyveseto: Furess Istvan dr.) kozlemenye.

(HEMATO-ENCEPHALIC BARRIER, physiol.

permeability to penicillin in neurosyphilis ther. in normal cond. & under eff. of fever & various drugs. (Hun))

(PENICILLIN

permeability of hemato-encephalic barrier in neurosyphilis ther. in normal cond. & under eff. of fever & various drugs. (Hun))

(NEUROSYPHILIS, ther.

penicillin, hemato-encephalic barrier permeability to, determ. in normal cond. & under eff. of fever & various drugs.. (Hun))

G. A. Kamill

MILTENYI, Miklos, dr.; GAL, Kamill, dr.

Diagnostic significance of the determination of the C-reactive protein. Orv. hetil. 97 no.13:337-342 25 March 56.

1. A Budapesti Orvostudományi Egyetem II. sz. Gyermekklinikájának (igazgató: Petenyi Géza dr. egyet. tanár) és az Országos Kórházigyógyi Intézet (főigazgató: Tako, József dr.) Bakteriológiai Osztályának. (osztályvezető: Fűresz, István dr.) közleménye.

(BLOOD PROTEINS, determ.

C-reactive protein, new method by indirect hemagglut., value in diag. of inflamm. in various dis. (Hun))

(INFLAMMATION, diag.

C-reactive protein determ. in various dis. (Hun))

GAL, K.

SCIENCE

PERIODICALS: ~~ASTA ECOLOGICA~~. Vol. 64, No. 7/8 1958, July/Aug.

MAGYAR KEMIAI FOLYOIRAT

Gal, K. Heat-transfer problems of polymerization-kinetic investigations. p. 270

Monthly list of East European Accessions (EEAI) IC, Vol. 8, No. 2,
February 1959, Unclass.

SANTO, I.; GAL, K.

Grafting of various monomers onto polyvinyl alcohol films under the influence of X rays. Vysokom. soed. 2 no.4:546-548 Ap '60.
(MIRA 13:11)

1. Tsentral'nyy issledovatel'skiy institut khimii AN Vengrii.
(Methacrylic acid) (Vinyl alcohol)
(X rays)

GAL, Karoly

Motor vehicle driver's request. Auto motor 14 no.15:24 Ag '61.

1. Autobuszvezeto, Pest megyei onkentes rendor.

GAL, L: GONVOTO, G.

Production of crystalline capsaicin. p. 313. Vol 9, no. 10, Oct. 1955. ~~ELMI~~SI
IPAR. Budapest, Hungary.

So: Eastern European Accession. Vol 5, no. 4, April 1956

COUNTRY : HUNGARY.
CATEGORY : Chemical Technology. Chemical Products and Their
Applications. Corrosion. Corrosion Control
ABS. JOUR. : RZhKhim., No 19, 1959, No. 68255

AUTHOR : Gal. L.
INSTITUTE : -
TITLE : Corrosion Protection of Articles Used in Countries
with Tropical Climates
ORIG. PUB. : Elektrotehnika, 1958, 51, No 7 - 9, 380 - 383,
441 - 442

ABSTRACT : Reviewed are climatic conditions of various coun-
tries. Presented are certain recommendations
pertaining to the corrosion protection of elec-
trical instruments.

Card: 1/1

11 8

GAL, L.

Conditions in trimming technology and profitableness of the applied processes.
p. 483.

GEP (Gepipari Tudomanyos Egyesulet) Budapest, Hungary
Vol. 11, no. 12, Dec. 1959

Monthly list of East European Accession (EEA. I) LC Vol. ~~66, no. 65~~
9, no. 2, Feb. 1960

Uncl.

GAL, Laszlo

Let us learn in order to teach. Munka 10 no.9:l S '60.

1. Vegyipari Dolgozok Szakszervezetének fotitkara.

SOMOSKOI, Gabor; GAL, Laszlo; VARGA, Janos

Statements by 3 leaders of 3 trade unions on the execution
of a Party decision on the construction and chemical industries.
Munka 10 no.12:4-5 D '60.

1. Építő-, Fa- és Építőanyagipari Dolgozók Szakszervezete
fotitkara (for Somoskoi). 2. Vegyipari Szakszervezet
fotitkara (for Gal). 3. Vasas Szakszervezet titkara (for Varga).

GAL, Laszlo

On the modification of the bylaws of the Hungarian Trade Unions.
Munka 13 no.3:5-6 Mr '63.

1. Szakszervezetek Országos Tanácsa titkara; "Munka" szerkeszto
bizottsagi tagja.

BALI, Anna; GAL, Laszlo

Possibility of normative calculation in manufacturing concrete elements.
Építőanyag 13 no.11:415-424 N '61.

GAL, Laszlo

Social insurance, labour-safety and holiday organizational activities of our trade unions. Hung TU no.6:1-3 Je '63.

1. Secretary of the Central Council of Hungarian Trade Unions.

GAL, Laszlo

The 5th Congress of Czechoslovak Trade Unions. Munka 13 no.7:
4-5 JI '63.

1. Szakszervezetek Országos Tanácsa titkara; "Munka" szerkeszto
bizottsagi tagja.

GAL, Laszlo

Widening the sphere of activity of trade unions. Munka 13
no.9:1-2 S '63.

1. Szakszervezetek Országos Tanácsa titkara; "Munka" szerkeszto
bizottsagi tagja.

GAL, Laszlo

Sixth Congress of the Federation of the German Free Trade
Unions. Munka 14 no. 1: 4-5 Ja '64.

1. Szakszervezetek Orszagos Tanacsa titkara; "Munka"
szerkeszto bizottsagi tagja.

GAL, Laszlo

Development of the construction industry and agriculture is of vital interest to our people. Munka 14 no.4:2-3 Ap '64.

1. Secretary, Central Council of Hungarian Trade Unions, Budapest, and Editorial board member, "Munka."

GAL, Laszlo

Let us do more for man to prevent accidents! Munka 14 no.8:2-3 Ag '64.

1. Secretary, Central Council of Hungarian Trade Unions, and Editorial board member, "Munka."

GAL, Laszlo

Friendly relations, useful experiences; delegation of the Central Council of Hungarian Trade Unions in the Soviet Union. Munka 15 no.4:18 Ap '65.

1. Editorial Board Member, "Munka", Budapest.

GAL, Levente

Tropicalization degrees of tropical products. Elektrotechnika
51 no.7/9:380-383 '58.

1. Koho-es Gepipari Miniszterium Erosaramu Berendezesi
Igazgatosag muszaki osztalyvezetoje.

GAL, Levente

Report on the 25th plenary meeting of the International Electrotechnical Union. Elektrotechnika 54 no.11:516-518 N '61.

HUNGARY

SIMON, Gyorgy, SASVARI, Karoly, GAL, Maria, SZUCS, Janos; Medical University of Budapest, Pathophysiological Institute (Budapesti Orvostudományi Egyetem, Korelettani Intezet).

"The Effect of Vitamin E Administration on the Cholinesterase Activity of the Serum and the Erythrocytes."

Budapest, Kiserletes Orvostudomány, Vol XV, No 4, Aug 1963, pages 355-361.

Abstract: [Authors' Hungarian summary] The effect of large doses of vitamin E, on rats, in the presence of various cholinesterase inhibitors, has been investigated by the authors. It was found that: 1. by prolonged administration of vitamin E, along with TOCP, DFP, Wofatox (methylparathion) or Prostigmin, the cholinesterase inhibitory effect of these compounds is greatly reduced; 2. this reduction of inhibition is apparent in the cholinesterase activity of both the erythrocytes and the serum; 3. in cases of acute Wofatox poisoning, large amounts of vitamin E, taken beforehand, provide partial defense; 4. the alkaline phosphatase activity of heart muscle homogenates of normal rats is increased after the administration of vitamin E. 8 Western, 8 Eastern European references.

GAL, Miklos,; SAJGO, Erzsebet,; SZMUK, Imre.

Plasma labile factor in diseases of the liver and of the biliary tract. Kiserletes orvostud. 7 no.2:192-196 Mar 55.

1. Fovarosí tanács Peterffy S.U. Korhazrendelo A. Belosztalya es Laboratoriuma.

(BLOOD COAGULATION,
factor V, in biliary & liver dis.)
(BILIARY TRACT, diseases,
factor V in)

GAL, Miklos

ARMENTANO, Lajos, dr.; GAL, Miklos, dr.

New data on hemolytic jaundice. I. Investigation of lysolecithin in hemolytic jaundice. Orv. hetil. 96 no.22:597-602 29 May 55.

1. A Peterfy Sandor utcai Korhaz rendelo (igazgato: Lendvai Jozsef dr.) A Belgyogyaszati Osztalyanak (foorvos: Biro Lasslo dr.) kozlemenye.

(LECITHIN,

lysolecithin metab. in hemolytic jaundice)

(ANEMIA, HEMOLYTIC, metabolism, in.
lysolecithin)

GAL, Miklos

ARMENTANO, Lajos, dr.; GAL, Miklos, dr.

New data on the pathogenesis of hemolytic jaundice. II.
Lysolecithin content in the spleen; prophylactic experiments.
Orv. hetil. 97 no.38:1042-1045 16 Sept 56.

1. A Peterfy Sandor utcai Korhas-rendelo (igazgato: Lendvai, Jozsef, dr.) A Belgyogyaszati Osztalyanak (foorvos: Biro, Laszlo, dr.) kozlemenye.

(ANEMIA, HEMOLYTIC, metab. in
lysolecithin determ. in spleen & antag. in acquired
anemia (Hun))

(JAUNDICE, CONGENITAL HEMOLYTIC, metab. in
lysolecithin determ. in spleen & antag. (Hun))

(LECITHIN
lysolecithin determ. in spleen in acquired hemolytic
anemia & congen. hemolytic jaundice & antag. (Hun))

(SPLEEN, in various dis.
acquired hemolytic anemia & congen. hemolytic jaundice,
lysolecithin determ. (Hun))

GAL, Mihaly

Sampling. Magyar folvoir 68 no.12:533-535 D '62.

1. Lenin Kohaszati Muvek, Miskolc.

ACC NR: AP6036159

SOURCE CODE: UR/0041/66/018/006/0102/0107

AUTHOR: Gal', M. M. (Kiev)

ORG: none

TITLE: Approximate solution by Yu. D. Solokov's method of integral equations with a lagging independent variable

SOURCE: Ukrainskiy matematicheskiy zhurnal, v. 18, no. 6, 1966, 102-107

TOPIC TAGS: integral equation, Legendre polynomial, approximate solution, successive approximation, approximation error, complex function, mathematic space, approximation convergence

ABSTRACT: This paper extends one of A. Yu. Luchka's algorithms (A. Yu. Luchka. Teoriya i primeneniye metoda osredneniya funktsional'nykh popravok, Izd-vo. AN UkrSSR, K., 1963) to the case of integral equations with a lagging independent variable. The following equation in the space L^p is examined:

$$y(x) = f(x) + \lambda \int_a^b K(x, \xi) y(\xi - \Delta(\xi)) d\xi,$$

where λ is a regular value, the interval (a, b) is finite, the complex-valued functions $f(x)$, $K(x, \xi)$ of the real variables x , ξ are assigned in the domains $[a - \tau_0, b]$, $a \leq x$, $\xi \leq b$, respectively, and satisfy the conditions:

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$$\left\{ \int_a^b \left[\int_a^b |K(x - \Delta(x), \xi)|^q d\xi \right]^{\frac{p}{q}} dx \right\}^{\frac{1}{p}} < \infty,$$

$$\left\{ \int_a^b |f(x - \Delta(x))|^p dx \right\}^{\frac{1}{p}} < \infty \quad \left(\frac{1}{p} + \frac{1}{q} = 1 \right),$$

$$\int_a^b |f(x - \Delta(x))| dx < \infty, \quad \int_a^b \text{vrai max}_\xi |K(x - \Delta(x), \xi)| dx < \infty \quad (p=1, q=\infty),$$

$$\text{vrai max}_x |f(x - \Delta(x))| < \infty, \quad \text{vrai max}_x \int_a^b |K(x - \Delta(x), \xi)| d\xi < \infty$$

$$(p = \infty, q = 1).$$

Here $\Delta(x) \leq \tau_0$ (the particular case is not excluded), and $\Delta(x)$ is a continuous function, wherein $\Delta'(\sigma(x)) \neq 1$, and $\sigma(x)$ is the inverse of

$$F(x) = x - \Delta(x), \quad K(x - \Delta(x), \xi) = 0 \quad \text{for } (x - \Delta(x)) \notin [a, b].$$

The convergence of the process of successive approximations is proved, and the error is estimated. An example calculation is given. Orig. art. has: 39 formulas and 1 table.

SUB CODE: 12/ SUBM DATE: 11Mar66/ ORIG REF: 006

Card 2/2

GAL, Nistor, prof. (Oradea)

A method for the demonstration of the Thomson formula. Gaz
mat B 13 no.5:277-279 My '62.

GAL, Odon

Work of the Scientific Association of the Machine Industry in the past three years. Gepgyartastechn 1 no.1:33-34 Ap '61.

1. Gepipari Tudományos Egyesület fotitkara; "Gepgyartastechnologia" szerkeszto bizottsagi tagja.

GAL, Odon, Banki Donat díjjal kitüntetett főmesternok

Executive Committee session of the Scientific Association
of the Machine Industry. Gepgyartastechn 2 no.7:267-268
Jl '62.

1. Gepipari Tudományos Egyesület főtitkara; "Gepgyartastechnolo-
gia" szerkeszti bizottsági tagja.

PHILIP, Miklos; GAL, Odon; CZEDREKY, Laszlo

Conference on the exchange of technical experiences arranged by the executive committees of the rural areas. Musz élet 19 no.32 30.Ja'64.

1. Muszaki es Termeszettudomanyi Egyesuleted Szovetsége fotitkarhelyettese (for Philip). 2. Muszaki es Termeszettudomanyi Egyesuleted Szovetsége Kozponti titkara (for Gal). 3. Muszaki es Termeszettudomanyi Egyesuletek Szovetsége debreceni intezobizottsagi titkara; orszaggyulesi képviselo (for Csedreky).

GAL, Odon, gepeszmernok

Report on the 4th general meeting of the Scientific Association
of the Machine Industry. Jarmu mezo gep 5 no.3:89-95 My '58.

1. Gepipari Tudomanyos Egyesulet fotitkara; Muszertechnikai
Vallalat igazgatoja; "Jarmuvek - Mezogazdasagi Gepek"
szerkeszto bizottsagi tagja.

GAL, Odon

An account of the work of the Scientific Association of the Machine Industry. Jarmu mezo gep 7 no.7:253-256 '60.

1. Gepipari Tudomanyos Egyesulet fotitkara; "Jarmuvek-Mezogazdasagi Gepek" szerkeszto bizottsagi tagja.

Gai, Oden; PROCKI, Leslie

News of the Scientific Association of the Machine Industry.
Gosyartastekhn. 1. no. 9:259-262 1 '61.

1. Secretary General, Scientific Association of the Machine Industry, and Editorial board member, "Gosyartastekhnologia" (for Gai). 2. Deputy Secretary General, Scientific Association of the Machine Industry (for Procki).

GAL, Odon

Three years' work of the Scientific Association of the Machine Industry; excerpts from Secretary General Odon Gal's report delivered at the Association's 5th general assembly, March 24-25, 1961. Gep 13 no.4:121-125 Ap '61.

1. Gepipari Tudományos Egyesület főtítkara, és "Gep" szerkeszto bizottsagi tagja.

GAL, Odon

Report by the Secretary General, Scientific Association
of the Machine Industry. Jarmu mezo gep 10 no.5:195-200
My '63.

1. Gepipari Tudomanyos Egyesulet fotitkara.

GAL, O.; PRIBICEVIC, S.; KONSTANTINOVIC, S.; DRAGANIC, I.

Radiation dosimetry of the RA reactor at Vinca. Measurements by chemical dosimeters. Bul Inst Nucl 13 no.1:53-75 Ap '62.

1. The Boris Kidrich Institute of Nuclear Sciences, Department of Radiation Chemistry, Vinca.

GAL, Odon, Banki Donat-dijas fomernek

An account by the Secretary General, Scientific Association
of the Machine Industry. Gep 15 no.4:129-134 Ap '63.

1. Gepipari Tudomanyos Egyesulet fotitkara: "Gep" szerkeszto
bizottsagi tagja.

GAL, Odon, fomernek; VALKO, Endre, dr.; VARGA, Jozsef, dr., prof.

The Federation of Technical and Scientific Associations delegation
in England. Musz élet 18 no.16:2 1 Ag '63.

1. Gepipari Tudományos Egyesület fotitkara (for Gal).
2. Muszaki es Termeszettudományi Egyesuletek Szovetsege fotitkara
(for Valko). 3. Muszaki es Termeszettudományi Egyesuletek
Szovetsege alelnoke; Gepipari Tudományos Egyesület elnoke (for
Varga).

GAL, Odon

What is your opinion on technical progress? Musz elet 18 no.22:2
24 0 '63.

GAL, O.; JOSIMOVIC, Lj.

Chemical dosimetry of high doses of reactor radiations;
abstract. Glas Hem dr 27.no.9/10:547-548 '64

1. The Boris Kidric Institute of Nuclear Sciences, Department of Radiation Chemistry, Belgrade-Vinca.

L 18284-63

EPF(n)-2/EWT(n)/BDS AFETC/ASD/AEWL/SSD Pu-4

ACCESSION NR: AP3001950

Y/0001/63/000/006/1016/1021

AUTHOR: Gal, Olga (Eng., Higher Professional Associate);
Josimovic, Ljubica (Dipl. Phys. Chem. Assistant)

TITLE: Chemical dosimetry of high reactor radiation doses. Report to the Tenth Consultative Meeting of Chemists of People's Republic of Serbia held in Belgrade in January of 1963

SOURCE: Tehnika, no. 6, 1963, 1016-1021

TOPIC TAGS: dosimetry, oxalic acid-dosimeter, reactor radiation, radiation chemical effect

ABSTRACT: The authors survey various kinds of primary and induced radiation in different working parts of a reactor and point out the difficulties in the theoretical and experimental determination of radiation doses. Among chemical dosimeters they preferred from the point of view of simplicity and reliability, the dosimeter made of aqueous solution of oxalic acid. The oxalic acid decomposes into carbon dioxide and water and the dose is determined by the disappearance of the oxalate ion. The dosimeter was developed in the Boris Kidric Institute

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ACCESSION NR: AP3001950

and initial measurements were made in the graphite columns of French reactors. The present work was carried out in the 6.5 Mw reactor RA in Vinca and the article contains curves of absorbed radiations within various columns of the reactor. The upper limit of the measured absorbed radiation is 1.6×10^8 rad. The number of charges is determined by simple analytic procedure, and reactor radiations fail to induce radioactivity in the dosimeter material (C, O, and H). The yield due to radiation-chemical effects was determined by comparison with simultaneous calorimetric measurements of the total absorbed energy. Fig. 6 of Enclosure 1 shows good agreement of parallel chemical and calorimetric radiation measurements of the reactor. The oxalic dosimeter measurements also show good reproducibility. The authors attempted to increase the maximum possible measured dose by using solid oxalic acid. This would also reduce the amount of gases due to the radiolysis of water. Preliminary results are given in Fig. 9 of Enclosure 2. Further increases in acceptable doses should be possible by using ammonium oxalate which was found to decompose up to 100 times more slowly than oxalic acid. The use of lithium oxalate is planned for the thermal column of the reactor since the ${}^6\text{Li}$ (n, α) T nuclear reaction could measure the total thermal neutron flux. The

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main problem during the use of solid oxalic acid was its thermal decomposition at a relatively low temperature (185° C). Orig. art. has 9 figures.

ASSOCIATION: Laboratorija za radijacionu hemiju Instituta "Boris Kidric"
Beograd-Cinca (Laboratory of Radiation Chemistry of the Institute "Boris Kidric")

SUBMITTED: 00

DATE ACQ: 28 Jun 63

ENCL: 02

SUB CODE: NS

NO REF SOV: 000

OTHER: 002

Card 3/03

646.5

✓ 630. Influence of temperature on the extraction of uranyl nitrate with uranyl phosphate at varying concentrations of nitric acid. *Chem. Abstr.* 1957, 51, 12124a. Gal and J. K. Rajhans (Inst. Nucl. Sci., Belgrade). *Bull. Inst. Nucl. Sci., Belgrade*, 1957, 7, 43-44 (in English).—In the system aq. HNO_3 - 40% uranyl phosphate (diluted with diethyl ether), the distribution coeff. (f) of $\text{UO}_2(\text{NO}_3)_2$ decreases with increasing temp. ($T = 1^\circ$ to 80°) at all concn. of HNO_3 up to 10 M, but for a specific concn. of HNO_3 , f is proportional to $\log T$. As indicated by the changes in vol. and optical transmission, and by the decrease in acidity of the aq. phase, the degree of chemical reaction between the two phases increases with T and acid concn. The limit of stability is 6 M HNO_3 at 20° and 1 M HNO_3 at 86° . At 20° the optimum acid concn. for the formation of the uranyl dinitrate complex is 6 M.

W. J. Egan

27
Effect of diluents on the extraction of uranyl nitrate with
tributyl phosphate. Zdenko I. Dizdar, Jelena K. Rain-
vujin, and Olga S. Gal. Bull. Inst. Nuclear Sci. "Boris-
Kidrich" (Belgrade) 8, 59-66(1958).—At lower concns. of
U (≤ 160 g./l.), the extn. of uranyl nitrate with tributyl
phosphate (I) depends very much on the nature of diluents
used. The greatest extn. occurs with 1 dild. with CCl_4 .
The distribution coeffs. decrease in the solvents in the order
 CCl_4 , xylene, kerosine, hexane, Bu_2O , Et_2O , and $\text{iso-Pr}_2\text{O}$.
At greater U concns. these differences disappear.
Bernard Rubin

Distr: 4E4j/4E3d/4E2c (j) *[Signature]*

GAL, P.

"Influence of photographs and flying dispositions on the economical operation of aerial photogrammetry." p. 63.

GEODETICKY A KARTOGRAFICKY OBZOR. Praha, Czechoslovakia, Vol. 5, no. 4, Apr. 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 8, August, 1959.
Uncl.

GAL, Pal, dr.

Anesthetic syndrome following brain concussion. Ideg. szemle 8 no.
2:49-55 Apr 55.

1. A Hephadsereg Egesszegugyi Szolgalatanak kozlomenye.

(PSYCHOSES, ALCOHOLIC

Korsakoff's synd., caused by brain concussion,
manifest., psychol. & pathol. (Hun))

(BRAIN, wounds & inj.

concussion, causing Korsakoff's synd. (Hun))

(WOUNDS AND INJURIES

brain concussion, causing Korsakoff's synd. (Hun))

POGANY, Odon, dr.; GAL, Pal, dr.; KRPES, Janos, dr.

Data on the pathophysiology and pathomechanism of retraction
nystagmus. Orv. hetil. 98 no.21:562-563 26 May 57.

1. Az Országos Idegsebészeti Tudományos Intézet (igazgató:
Zoltan, László, dr.) közleménye.

(NYSTAGMUS, etiol. & pathogen.

ependymoma of third cerebral ventricle causing retraction
nystagmus (Hun))

(EPENDYMOA, manifest.

retraction nystagmus in ependymoma of third cerebral
ventricle (Hun))

(CEREBRAL VENTRICLES, neoplasms

ependymoma of third ventricle with retraction nystagmus
(Hun))

EXCERPTA MEDICA SEM 8 Vol 12/2 Neurology Feb 59

908. SIMULTANEOUS OCCURRENCE OF PAGET'S DISEASE OF THE SKULL AND BRAIN TUMOR - Gal P. Nat. Neurosurg. Res. Inst., Budapest - J. NERV. MENT. DIS. 1957, 125/4 (574-577) Illus. 6

The case is reported of a 50-year-old woman who had complained of severe headaches over the right side of the head for 9 months, and in the last 6 months had developed slowness in thinking and an unsteady gait. Urinary incontinence had been present for 10 days. On the left side there was spastic hemiparesis, hemihypaesthesia and forced grasping. The patient swayed to the left. Mental examination revealed disorientation for time, memory defects, inconsistent attention, psychomotor retardation and flattening of mood. Roentgenograms revealed changes consistent with Paget's disease in the skull and angiography showed a circumscribed shadow of increased vascularity in the right fronto-temporal area. Right fronto-temporal craniotomy confirmed the presence of a neoplasm which was histologically considered a malignant glioma. The histological changes in the skull were typical of Paget's disease. In addition to Paget's disease, the skull showed asymptomatic basal impression. The occurrence of brain tumour in Paget's disease is rare, but should be looked for if there are signs of a space-occupying lesion.

Steeermann - Kansas City, Kan. (VIII,5,16)

EXCERPTA MEDICA Sec 16 Vol 7/4 Cancer Apr 59

1450. **Mental symptoms in cases of tumor of temporal lobe** GAL P. Nat. Neurosurg. Res. Inst., Budapest *Amer. J. Psychiat.* 1958, 115/2 (157-160)

In this series of 61 temporal lobe tumours there were mental symptoms in 50 cases. As initial symptoms there were mental manifestations in 37 cases before any neurological signs appeared. The symptoms were as follows: (1) fits (hallucinations, visual illusions, dreamy state, automatism, psychomotor equivalent, temporal epilepsy), (2) changes in personality, (3) disorders of mood, (4) schizoform psychosis, (5) parietal mental symptoms, (6) psycho-organic syndrome.

GAL, PAVEL

Fotogrametria. [Vyd. 1.] Bratislava, 1950. [Photogrammetry. Graphs, tables]

SO: MONTHLY LIST OF EAST EUROPEAN ACCESSIONS, LC., VOL. 3, NO. 1, Jan. 1954, Uncl.

PRUSA Jaro - KUDELASEK, Radim, inz. CSc.; MARSIK, Zdenek, inz. CSc.; KRATKY, Vladimir, doc. inz. CSc.; PICHLIK, Vachlav, inz. CSc.; SIMA, Jiri, inz.; GAL, Pavel, prof. dr. inz.; SKLADAL, Ladislav, inz.

Tenth Congress of the International Photogrammetric Society.
Geod kart obzor 11 no.4:100-107 Ap '65.

1. Chairman of the Central Administration of Geology and Cartography, Prague (for Prusa). 2. Antonin Zapotocky Military Academy, Brno (for Kudelasek and Kratky). 3. Research Institute of Geodesy, Topography and Cartography, Prague (for Marsik, Pichlik). 4. Institute of Geodesy and Topography, Prague (for Sima). 5. Slovak Higher School of Technology, Bratislava (for Gal). 6. Central Administration of Geology and Cartography, Prague (for Skladal).

S Gal

Distr: 4E3d

7

Derivatographic microdistillation method for investigating
liquid mixtures. ⁷ E. Paulik, L. Briley, and S. Gal (Tech.
Univ., Budapest, Hung.). *Z. anal. Chem.*, 163, 331-9
(1958); cf. *C.A.* 52, 13325f. —The use of temp.-wt. curves
and deriv. curves provides a complete description of the
course of a distn. Mixts. studied were C_4H_8 -EtOH- H_2O ,
 Me_2CO - H_2O , Me_2CO -EtOH, n -BuOH- H_2O , C_4H_8 - n -Bu-
OH- H_2O , and aviation gasoline. Quant. analysis is
simplified by using a 6-g. sample. K. G. Stone

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Q. Q.

ERDEY, L., prof. (Budapest XI., Gellert ter 4); LIPTAY, G. (Budapest XI., Gellert ter 4); GAL, S. (Budapest XI., Gellert ter 4); PAULIN, R. (Budapest XI., Gellert ter 4)

Derivatographic investigation of ammonium phosphate precipitations.
Periodica polytechn chem 5 no.3:209-217 '61.

1. Lehrstuhl für Allgemeine Chemie, Technische Universität.

ERDEY, L., prof. (Budapest XI., Gellert ter 4); LIPTAY, G. (Budapest XI., Gellert ter 4); GAL, S. (Budapest XI., Gellert ter 4); PAULIK, F. (Budapest XI., Gellert ter 4)

Thermal investigation of iron (III) hydroxy precipitations.
Periodica polytechn chem 5 no.4:287-303 '61.

1. Lehrstuhl für Allgemeine Chemie, Technische Universität, Budapest. 2. Editorial Board member, "Periodica Polytechnica; Chemical Engineering" (for Erdey).

GAL, S. (Budapest), XI., Gellert ter 4); LIPTAY, G. (Budapest, XI.,
Gellert ter 4); RISTICI, J. (Budapest, XI., Gellert ter 4)

Derivatographic determination of water content in cadmium
thiobarbiturate. Periodica polytechn chem 7 no.1:21-26 '63.

1. Institut fur organisch-chemische Technologie der Technischen
Universitat, Timisoara (for Ristici). 2. Lehrstuhl fur Allgemeine
Chemie, Technische Universitat, Budapest (for Gal and Liptay).
Vorgelegt von Prof. Dr. L. Erdey.

ERDEY, L.; prof. (Budapest, XI., Gellert ter 4); GAL, S.
(Budapest, XI., Gellert ter 4)

Thermoanalysis of natural and synthetic cryolite.
Periodica polytechn chem 7 no. 3: 205-214 '63

1. Lehrstuhl für Allgemeine Chemie, Technische Universität, Budapest.
2. Mitglied, Redaktionskollegium, "Periodica Polytechnica-Chemical Engineering" (for Erdey).

ERDEY, L., prof. (Budapest, XI., Gellert ter 4); GAL, S.
(Budapest, XI., Gellert ter 4); PAULIK F. (Budapest,
XI., Gellert ter 4); BAUER, J. (Budapest, XI., Gellert
ter 4);

Derivatographic analysis of calcium oxalate hydrates.
Periodica polytechn chem 7 no. 3: 215-22 '63

1. Lehrstuhl fur Allgemeine Chemie, Technische Universitat,
Budapest (for Erdey, Gal and Paulik).
2. Chemische Fabrik Gedeon Richter, Kobanya (for Bayer).
2. Mitglied, Redaktionskollegium, "Periodica Polytechnica-
Chemical Engineering" (for Erdey).

GAL, T.

GAL, T. : CELEDA, J.

"Some Words About Mathematics in the Practical Work of a Chemist",
P. 321, (CHEMICKY PRUMYSL, Vol. 4, No. 9, Sept. 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4,
No. 1, Jan. 1955, Uncl.

GAL, T.

Polymers. p. 624. (Sovetska Veda: Chemie, Vol. 6, No. 5, 1956, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

GAL, Tibor; NADASI, Antal

Maintenance questions of motor trucks in Hungary. Auto motor
14 no.17:12 S '61.

1. Autokozlekedesi Tudomanyos Kutato Intezet tudomanyos
munkatarsai.

GAL, Tomas

"Introduction to electrochemistry" by M.Preisich. Reviewed by
Tomas Gal. Chem prum 13 no.9:488 S '63.

1. Vysoka skola zemedelska.

GAI, Tibor, inz.

Correction of the air excess coefficient in operating an emulsion carburetor. Sbor VST Kosice no. 2:67-73 '63.

1. Chair of Machine Construction, Higher School of Technology, Kosice.

Gál, T.

Polarographic and electrophoretic examination of milk serum proteins. T. Gál (Výzk. ústav pro mléko a maso, Prague). *Průmysl. Zvěstování*, 5, 153-5, 203-1 (1951). Milk was centrifuged until the fat content was reduced to 0.1% and said, with NaCl at 0.1% and the clear serum which sepd. was dialyzed. Casein interfered with the catalytic electrode reaction and had to be removed. The dependence of the height of the waves on the protein content in buffered Co solns. did not agree with Stricks and Kollhoff (C.A. 45, 9038A). Contrary to their findings, the height of the wave did not change with time. The protein double wave did not depend on the pH, but the wave of the sulfhydryl acid filtrates was decreasing from pH about 10 and the characteristics of the curve were the same as that of the dissociation curve of weak acids. Digestion of the serum caused the protein double wave to raise slightly and the filtrate wave to sink slightly. Urea did not influence the height of the protein double wave. Ultraviolet irradiation rapidly produced a ppt. in the serum, and the height of the double wave fell with time. In pasteurized milk, electrophoretic mobilities of individual constituents were increased and the relative compn. of the proteins was changed, as the content of the euglobulin increased the content of the pseudoglobulin decreased. The influence of temp. on the serum proteins was shown polarographically around 70° when the electrophoretic mobility showed a sharp rise. L. J. U.

GAL, T-

CZECH

✓ Arterial wall proteins. T. Gal, D. Reich, G. Kubie, and J. Fodor (Ústav pro chemický výzkum, Praha, Plague). Chem. Listy 48, 1873-5 (1954).—Dog aortas were extd. with physiol. soln. at 0°, the ext. was acid. with Na₂SO₄ or evapd. by frost sublimation, and the proteins were subjected to electrophoresis in veronal-acetate buffer at pH 8.6 and $\mu = 0.1$ to give 5 fractions. M. Hladický

GAL, T.

med
 Effect of heparin on the clearing of lipemic serum. Pro-
 albumin components. D. Reikhl, T. Gal, and T. Zene-
 pleni (Circulatory Disease Inst., Prague). *Physiol. Bo-*
hemostas. 4, 438-43 (1955); cf. *Prd. v. Kardiolog. Pulco-*
nosi 26, III, 1051. —The electrophoretic diagram of human
 serum from subjects who had been injected 3 hrs. previously
 with heparin shows 2 new components PA₁ and PA₂ which
 move in front of albumin with mobilities of 10.6×10^{-4}
 and 9.5×10^{-4} sq. cm./v. sec. in the downward arm of the
 cell. Incubation of heparinized plasma or serum from
 healthy subjects 15 min. after injection of heparin when
 mixed with plasma or serum of lipemic type results in ap-
 pearance of these 2 components, which are not identifiable
 as heparin.
 O. M. Kiskul

3

REICHL, D.; GAL, T.; ZEMPLENYI, T.

Effect of heparin on lipemia; so-called prealbumin compounds.
Cesk. fysiол. 4 no.4:467-471 22 Oct 55.

1. Ustav pro choroby obehu krevniho, Praha.
 (LIPOPROTEINS, in blood,
 pre-albumin cpds., eff. of heparin.)
 (BLOOD,
 pre-albumin cpds. after ingestion of fat, eff. of
 heparin)
 (HEPARIN, effects,
 on blood pre-albumin cpds. after ingestion of fat)

HUNGARY

HALLAY, Imre, Dr, HARASZTI, Antal, Dr, GAL, Tibor, Dr; Hospital of the Heves Megye Council, I. Medical Ward and Department of Pathology (Heves Megyei Tanacs Korhaza, I. Belosztaly es Korbonctani Osztaly).

"Polyarteritis Nodosa With Leukemoid Blood Findings."

Budapest, Orvosi Hetilap, Vol 104, No 32, 11 Aug 1963, pages 1514-1516.

Abstract: [Authors' Hungarian summary] The authors report a case of polyarteritis nodosa which was accompanied by a leukemoid blood picture. The high number of eosinophile cells facilitated the diagnosis. The effect of corticosteroid therapy is discussed. 1 Hungarian, 9 Western references.

04L V.

Yugoslavia/Diseases of Farm Animals. Noninfectious R-2
Diseases

Abs Jour : Ref Zhur-Biol., No 2, 1958, 5759

Author : Smercek Z., Gal V.

Inst : Not given

Title : Our Experiments to Evaluate the Sul'kovich Tests
as Diagnostic Means of Traumatic Reticulitis in
Cattle, and some Observations in Connection with
this Reaction

Orig Pub : Veterin. Glasnik, 1956, 10, No 10, 753-757

Abstract : The Sul'kovich method (determination of Ca in
urine) is recommended as a diagnostic method
for the determination of hypocalcemia and trau-
matic reticulitis in cattle. In experiments con-
ducted by the author, 60 definitely established

Card 1/2

GRIGORYAN, V.A. (Moskva); KUROCHKINA, L.A. (Moskva) [deceased]; ZHUKHOVITSKIY, A.A.
(Moskva); GAL', V.V. (Moskva)

Kinetics of cementite decomposition. Izv. AN SSSR. Otd. tekhn. nauk.
Met. 1 topl. no. 5: 159-162 S-O '62. (MIRA 15:10)
(Metals—Hardening) (Phase rule and equilibrium)

L 16570-66 EWP(t) IJP(c) JD
ACC NR: AP6008894

SOURCE CODE: HU/0014/65/098/007/0318/0323

AUTHOR: Pinter, Tihamer (Doctor, Graduate chemical engineer); Gal, Vilmos
(Graduate chemical engineer)

ORG: none

TITLE: Investigation of temperature control conditions in the precipitation-
sedimentation process in the Bayer-type alumina manufacture

SOURCE: Kohaszati lapok, v. 98, no. 7, 1965, 318-323

TOPIC TAGS: alumina, chemical precipitation, sedimentation separation, temperature control

ABSTRACT: The decomposition of sodium aluminate and the precipitation of alumina crystals in Bayer-type alumina manufacture were investigated with special emphasis on the temperature conditions. An equation was derived for the characterization of the relation between factory temperature and the temperature of the aluminate liquor in the Korting cooler. It was found that the refinement of the aluminate particle size can be conveniently determined by a filtration-resistance test. Studies were conducted to prevent the periodically occurring particle-size decrease. These studies showed that temperature control is one of the most suitable means for the elimination of this phenomenon. Orig. art. has: 8 figures and 2 tables. [JPRS]

SUB CODE: 07 / SUBM DATE: none / ORIG REF: 002 / OTH REF: 005 / SOV REF: 001

Card 1/1 5M

GAL, Z.

"Physical and Chemical Elements of Hard Casting." p, 252 (Kohaszati Lapok.
Vol. 8, no. 12 Dec. 1953 Budapest.)

Vol. 3, no. 6

SO: Monthly List of East European Accessions. / Library of Congress, June 1954, Uncl.

GAL, Zoltan

Section life. Koh lap 93 no.2: Suppl: Ontode ll no.2:44-45 F '60.

GAL, Zoltan

The 59th assembly of t' Society. Koh lap 96 no. 6:Suppl.:
Ontode 14 no. 6:121-127 Je '63.

1. Secretary, Foundry Division, Hungarian Association for
Mining and Metallurgy.

RETHY, Istvan, dr.; GAL, Zsuzsanna, dr.

On the possibilities of correcting strabismus with eyeglasses.
Orv. hetil. 106 no.41:1943-1945 10 0 '65.

1. MDK Bautzeni Korhaz, Szemeszeti Osztaly (foorvos: Rethy,
Istvan, dr.).

GALA, A.

Mucin as a vehicle of eye ointments. Cesk. opht. 10 no.6:
354-357 Dec 54.

1. Z očnéj kliniky SU v Bratislave, prednosta prof. A.Gala
(MUCIN

hydrogel extracted from flax seed as vehicle of eye
ointments)

(VEHICLES

mucin hydrogel extracted from flax seed in eye ointments)

(OINTMENTS

eye ointments vehicle, mucin hydrogel from flax seed)

GAIA, ALEKSANDAR

GAIA, Aleksandar, potpukovnik dr.

Industrial medicine in U.S.A. Voj.san.pregl., Beogr. 12 no.1-2:
63-67 Jan-Feb 55.

1. Katedra za higijenu i epidemiologiju VMA.
(INDUSTRIAL HYGIENE
in U.S.)

GALA, Aleksandar, San. potpukovnik dr.

Industrial hygiene in the world and in our country.
Voj. san. pregl., Beogr. 14 no.3:138-142 Mar 57.

1. Higijenski institut VMA. Otsak za higijenu rada.
(INDUSTRIAL HYGIENE
(Ser))

YUGOSLAVIA / Chemical Technology. Chemical Products and H
Their Application. Safety and Sanitation.

Abs Jour: Ref Zhur-Khimiya, No 12, 1959, 42859.

Author : Gala A.

Inst : Not given.

Title : Unpoluted Air in Working Areas.

Orig Pub: Tehnika, 1958, 13, No 9, Organiz. rada, 8, No 9,
214-216.

Abstract: A brief description of ways in which production dust enters human organism, the symptoms and course of silicosis and asbestosis, the mechanism of poisoning with toxic dusts, protective reactions of an organism, dangers presented by the dust from the standpoint of damage to equipment and lowering production rates, and also the means of combating dusty air in the working areas (ventilation, sanitary education, etc.). -- T. Brzhevskaya.

Card 1/1

GAIA, Aleksandar, Sanitetski potpukovnik, D-r.

Industrial physician. Voj. san. pregl. Beogr. 15 no.9:642-644 Sept 58.

1. Vojnomedicinska Akademija u Beogradu Higijensko-hemiski institut
Oseck za higijenu rada.

(INDUSTRIAL HYGIENE,
physician's role (Ser))